

31

after determining the display preference for the second application, determining, by the preferences module, that the portrait orientation of the second application is not the display preference;
 determining, by the preferences module, that the landscape orientation is the display preference;
 determining, by the preferences module, that the multi-display device can support the landscape orientation; and
 generating, by a requirements module, the orientation input.

10. The method of claim 1, further comprising:
 after displaying the second window in the landscape orientation, determining that the multi-display device has been placed in a second dual display state and the first and second displays are both in a landscape mode; and
 in response to determining the second dual display state, displaying the first window on the first display in the portrait orientation and the second window on the second display in the landscape orientation.

11. The method of claim 10, further comprising:
 receiving an input to launch a fourth application in the multi-display device;
 ceasing display of the first window;
 moving the first application to an inactive position in the display stack;
 displaying a fourth window of the fourth application on the first display in the landscape orientation, wherein the multi-display device remains in the second dual display state and the first and second displays are both in the landscape mode.

12. A non-transitory computer-readable medium having stored thereon instructions that cause a multi-display device to execute a method, the instructions comprising:

instructions configured to determine that the multi-display device has been placed in a first dual display state;
 instructions configured to display a first desktop in a portrait orientation on a first display of the multi-display device;
 instructions configured to display a second desktop in the portrait orientation on a second display of the multi-display device;
 instructions configured to launch a first application in the multi-display device;
 instructions configured to move the first desktop to an inactive position in a display stack;
 instructions configured to display a first window of the first application on the first display;
 instructions configured to launch a second application in the multi-display device;
 instructions configured to move the second desktop to an inactive position in the display stack;
 instructions configured to display a second window of the second application on the second display;
 instructions configured to determine that the first and second windows are each displayed in the portrait orientation;

instructions configured to determine, by an independent display orientation module, that an input to lock is received instructing that the portrait orientation of the first window should be locked, wherein the input to lock is received from the first application, wherein the independent display orientation module is operable to manage the display of applications, wherein the independent display orientation module is operable to receive inputs from applications which require a specific orientation and inputs from a user instructing a different orientation

32

as between the first desktop or the first application displayed on the first display and the second desktop or the second application displayed on the second display;
 instructions configured to determine that an orientation input is received from the second application, or from the device, or from the user, instructing that the portrait orientation of the second window should change to a landscape orientation; and

in response to determining that the orientation input is received, instructions configured to cause the second window of the second application to be displayed by the independent display orientation module in the landscape orientation, and the first window remains in the portrait orientation, wherein the multi-display device remains in the first dual display state and the first and second displays are both in a portrait mode.

13. The non-transitory computer readable medium of claim 12, further comprising:

after displaying the second window in the landscape orientation, instructions configured to receive an input to close the second application;
 instructions configured to cease display of the second window;
 instructions configured to move the second desktop to an active position in the display stack; and
 instructions configured to display the second desktop in the portrait orientation on the second display of the multi-display device, wherein the multi-display device remains in the first dual display state and the first and second displays are both in the portrait mode.

14. The non-transitory computer readable medium of claim 12, further comprising:

after displaying the second window in the landscape orientation, instructions configured to launch a third application in the multi-display device;
 instructions configured to cease display of the second window;
 instructions configured to move the second application to an inactive position in the display stack;
 instructions configured to display a third window of the third application in the portrait orientation on the second display of the multi-display device, wherein the multi-display device remains in the first dual display state and the first and second displays are both in the portrait mode, and wherein the first display and the second display are on a common first screen.

15. The non-transitory computer readable medium of claim 12, wherein the first display is on a first screen, wherein the second display is on a different second screen, and wherein the orientation input comprises a plurality of orientation inputs including application, device, and user inputs.

16. A multi-display user device, comprising:
 a first display including a first display area;
 a second display including a second display area;
 an independent display orientation element configured to manage a plurality of inputs corresponding to data to determine the orientation of desktops or applications displayed on the first and second displays; and
 a computer-readable medium having instructions stored thereon that include:

instructions configured to determine that the multi-display device has been placed in a first dual display state;
 instructions configured to display a first desktop in a portrait orientation on the first display;
 instructions configured to display a second desktop in the portrait orientation on the second display;